

AMENDMENT TO THE CLAIMS

1. (Currently Amended) A hose for transmitting liquids, the hose comprising:

an inner tubular portion made of a chlorinated polyethylene polymer, said chlorinated polyethylene polymer having a percentage, by weight, at least about twenty eight percent but not greater than about thirty percent of the material composition of said inner tubular portion and which has been peroxide cured;

a ply of metal wire braided directly over the inner tubular portion;

a thin rubber layer covering the wire;

a layer of polyester yarn braided over the thin rubber layer, and

a dye containing urethane deposited over and into the layer of yarn.

2. (Original) The hose of claim 1 wherein the formulation of the tubular portion includes a plasticizer including a blend of polymeric and ester based components.

3. (Previously Presented) The hose of claim 1 wherein the formulation of the tubular portion includes a heat stabilizer including a blend of metal oxides and silicates.

4. (Previously Presented) The hose of claim 1 wherein the formulation of the tubular portion includes a vulcanizing agents in the form of peroxide and cross-linking agents which effect the peroxide cure.

5. (Canceled)

6. (Previously Presented) The hose of claim 1 wherein the formulation of the tubular portion includes a vulcanizing agents in the form of peroxide and cross-linking agents which effect the peroxide cure.

7. (Original) The hose of claim 1 wherein the thin rubber layer is comprised of the same formulation as the tubular portion.

8. (Original) The hose of claim 7 wherein the ply of metal wire is comprised of stainless steel or brass coated steel wire.

9. (Original) The hose of claim 1 wherein the ply of metal wire is comprised of stainless steel or brass coated steel wire.

10. (Currently Amended) A tube comprising a wall made of chlorinated polyethylene polymer formulation which has been peroxide cured and includes a plasticizer comprising a blend of polymeric and ester based components, said chlorinated polyethylene polymer having a percentage, by weight, at least about twenty eight percent but not greater than about thirty percent of the material composition of said inner tubular portion, and a dye containing urethane deposited over said wall.

11. (Original) The tube of claim 11 wherein the formulation includes a heat stabilizer including a blend of metal oxides and silicates.

12. (Original) The tube of claim 11 wherein the formulation includes vulcanizing agents in the form of peroxide and cross-linking agents which effects the peroxide cure.

13. (Previously Presented) The tube of claim 12 wherein the formulation includes quinoline-type antidegradants.

14. (Withdrawn) A method of making a hose for transmitting liquids, comprising:

forming an inner tubular portion made of a chlorinated polyethylene polymer formulation which has a peroxide component;
braiding a ply of metal wire directly over the inner tubular portion;
covering the wire with a thin rubber layer;
braiding a layer of polyester yarn over the thin rubber layer;

depositing a dye containing urethane over the layer of yarn, and vulcanizing the hose.

15. (Withdrawn) The method of claim 14 wherein the formulation of the tubular portion includes a plasticizer including a blend of polymeric and ester based components.

16. (Withdrawn) The method of claim 15 wherein the formulation includes a heat stabilizer including a blend of metal oxides and silicates.

17. (Withdrawn) The method of claim 16 wherein the formulation includes vulcanizing agents in the form of peroxide and cross-linking agents which effect the peroxide cure.

18. (Withdrawn) The method of claim 4 wherein the formulation includes quinoline-type antegradants.

19. (Withdrawn) The method of claim 18 wherein the formulation includes carbon black and low molecular weight waxes.

20. (New) A hose for transmitting liquids, the hose comprising:
an inner tube portion made of a chlorinated polyethylene polymer having a parts by weight of approximately 90-100, a plasticizer having a parts by weight of approximately 35-55, a reinforcing agent having a parts by weight of approximately 100-150, a heat stabilizer having a parts by weight of approximately 5-20, antidegradants having a parts by weight of approximately 0.5-3, process aids having a parts by weight of approximately 0.5-2, and vulcanizing agents having a parts by weight of approximately 8-25;
a ply of metal wire braided directly over the inner tubular portion;
a thin rubber layer covering the wire;
a layer of polyester yarn braided over the thin rubber layer, and
a dye containing urethane deposited over and into the layer of yarn.